

Fig. 1
Exemplary HL7 Message
100

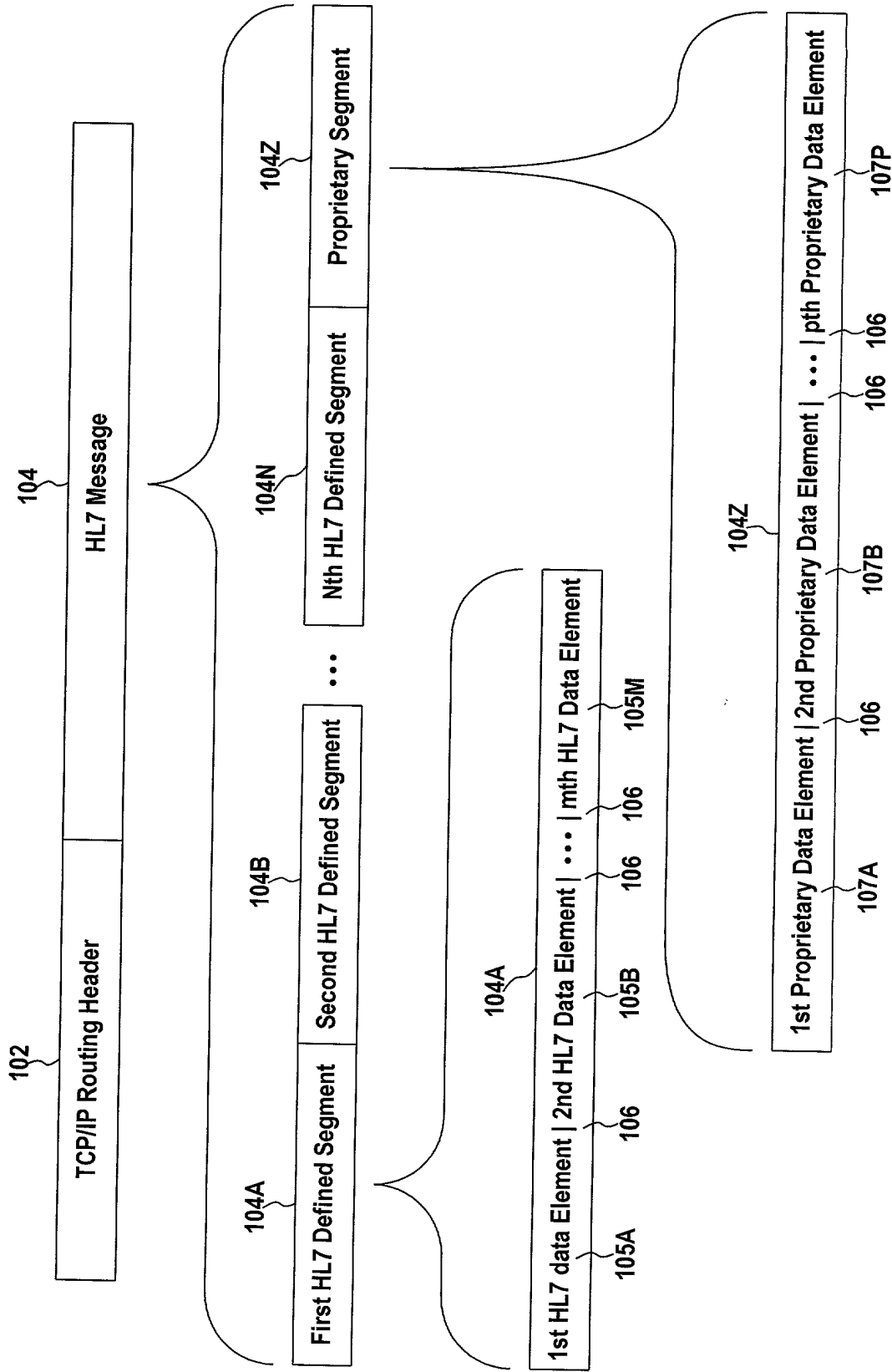


FIG. 2

Application Layer Messaging Between Disparate,
Ancillary Systems

200

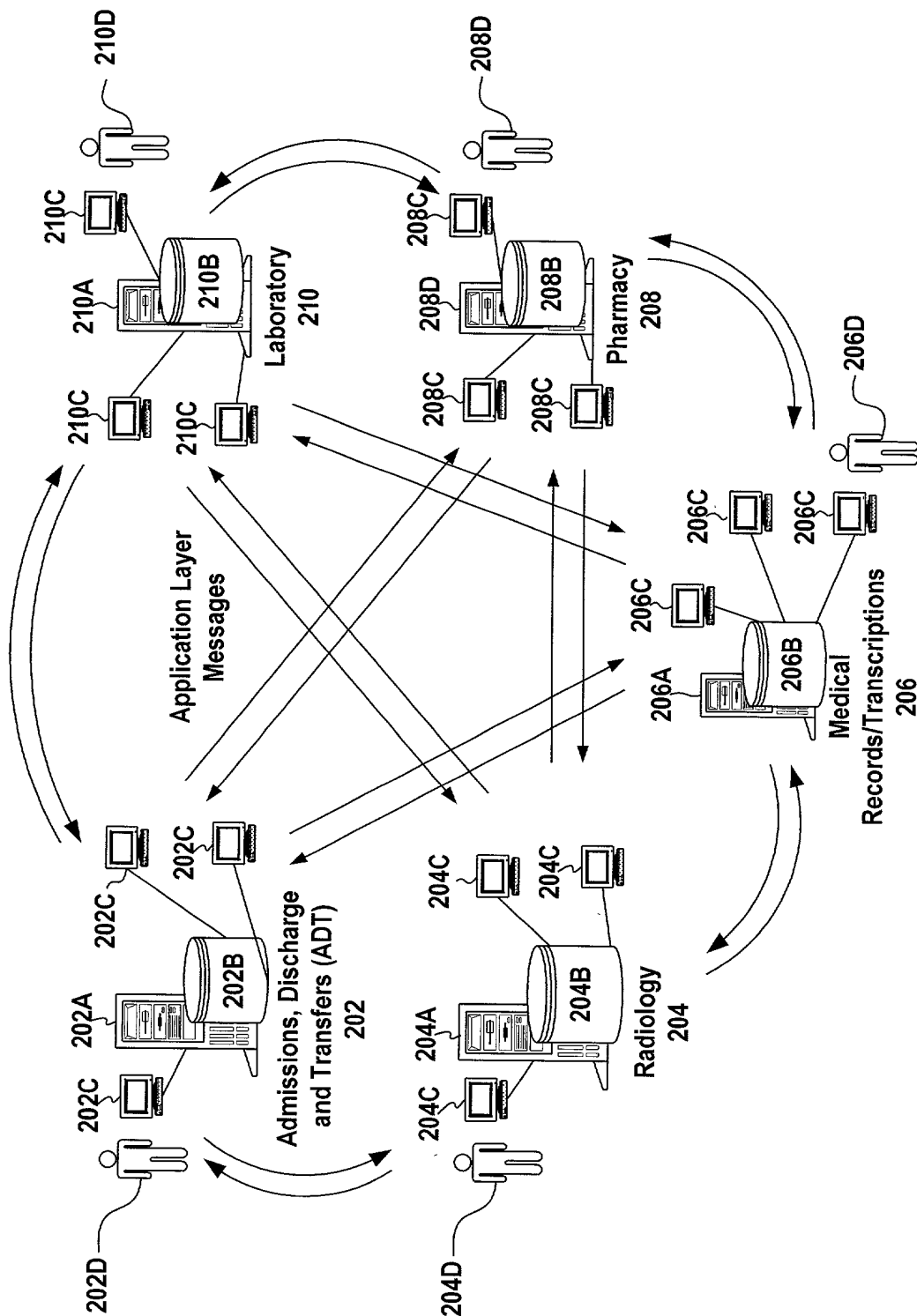


FIG. 3

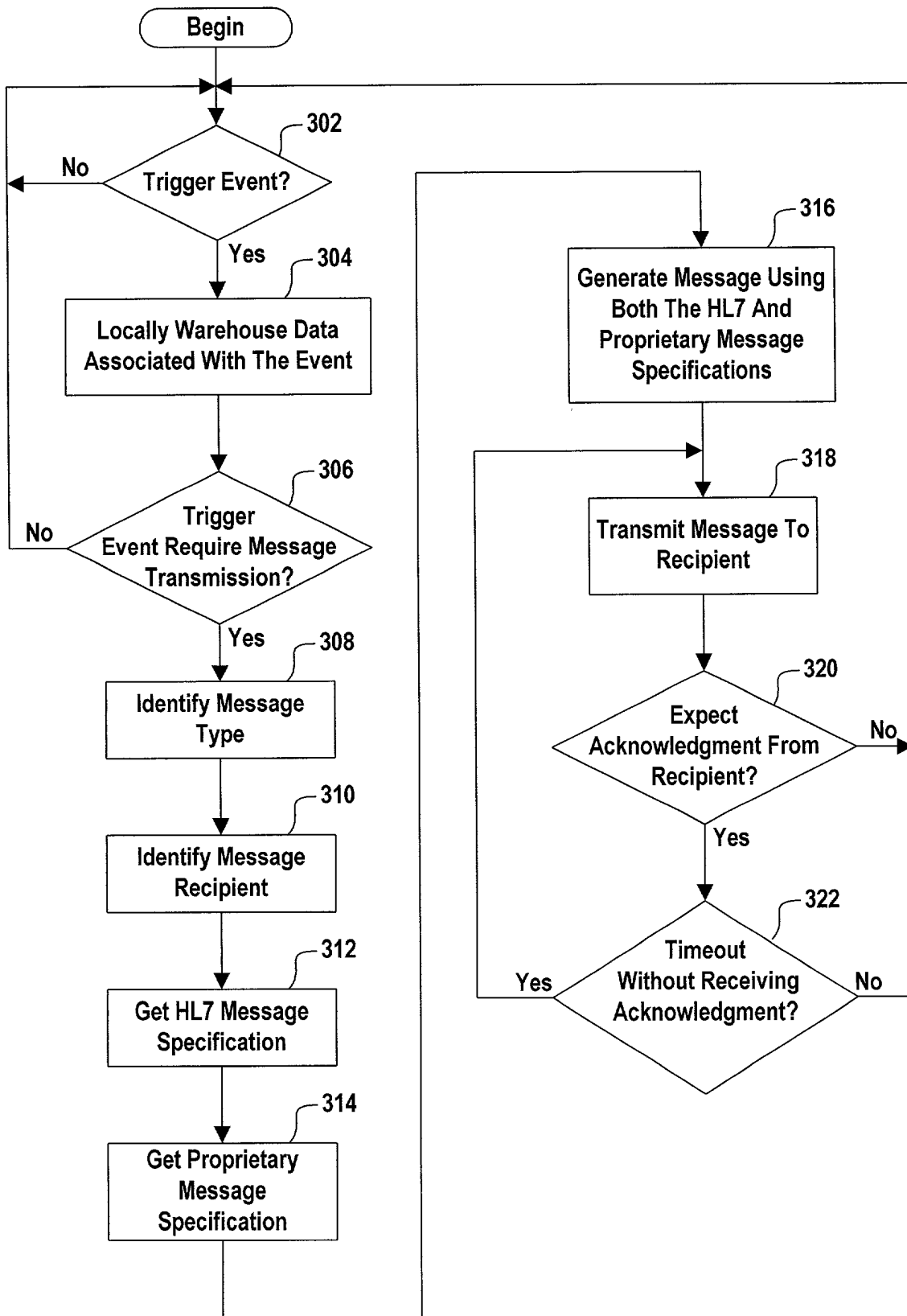


FIG. 4

FIG. 4

**Application Layer Messaging Between
Disparate, Ancillary Systems via an AIG**

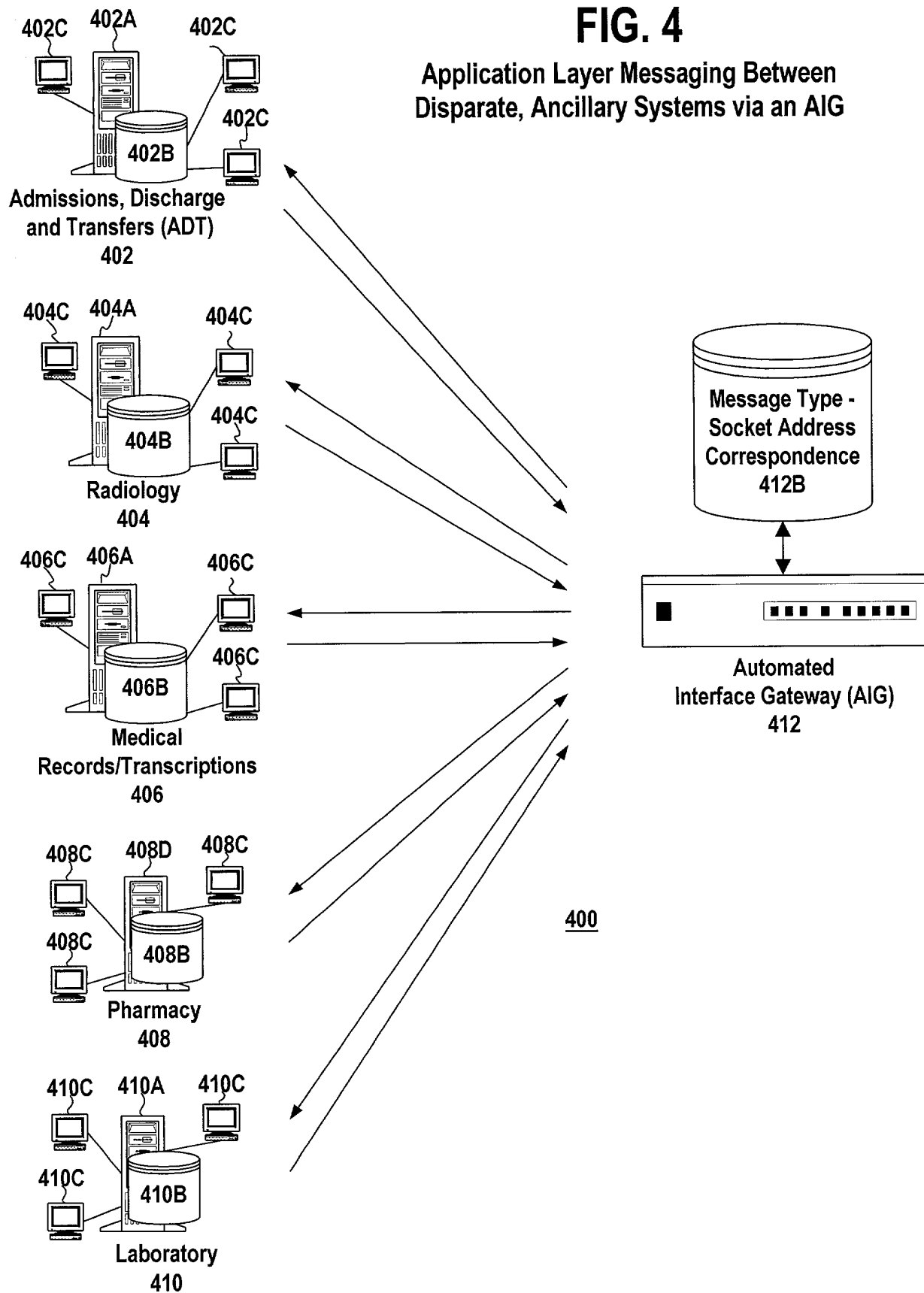


FIG. 5

Enterprise Network For Processing
Enterprises Transactions Including System
Level Messages Through An AIG Catcher

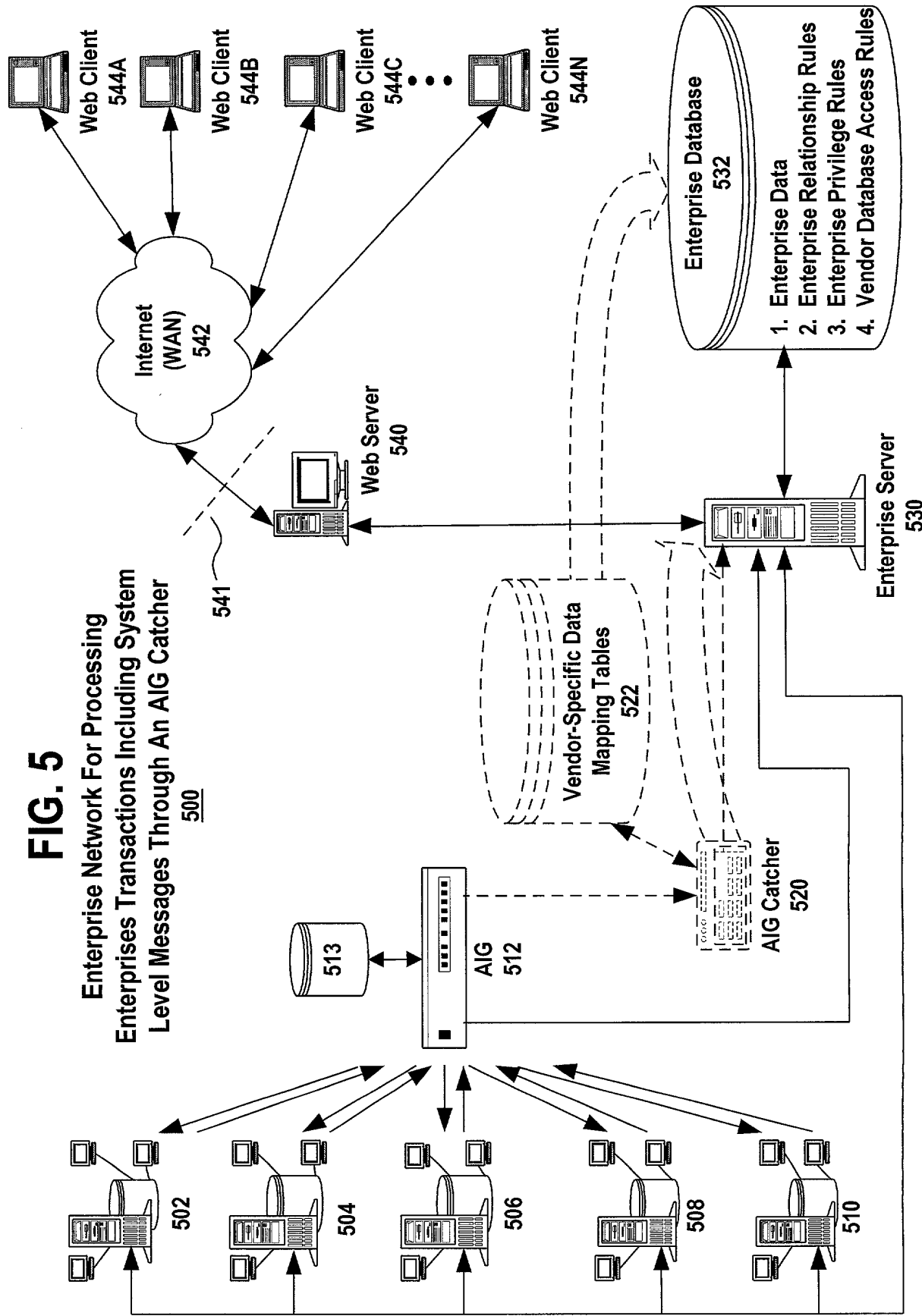


FIG. 6

Screen Shots Of An Enterprise Web Page
Depicting Patient Census Data

602
604
606

Home

Census

Function

Calendar

Help

Log Off

610
608

Patient Census for Dr. Ralph Shyner

Southside Health Center

Patient Name	Pr Number	St	Adm Date	LOS	DOB	Age	Attend Dr.	FC	Unit	Room Bed	Admin Diagnosis
SAMANTHA SUITES	62482429	OT	01/26/2001		01/10/1955	42	Ralph Shyner	G			not specified
Inpatient Count: 0 Outpatient Count: 1 Emergency Room Patient Count: 0											

Northside Health Center

Patient Name	Pr Number	St	Adm Date	LOS	DOB	Age	Attend Dr.	FC	Unit	Room Bed	Admin Diagnosis
CAROL RIDER	19277610	CA	01/18/2001		01/24/1995	6	Ralph Shyner	F			5% 2DEGBURN
PAUL MASTERS	25025815	CA	01/20/2001		02/25/1979	21	Ralph Shyner	P			2% 2DEGBURN TO FAC
KIMBERLY BEADDE	27079853	IA	01/21/2001	5	01/20/1952	45	Ralph Shyner	Q	ZFNE	021701	RIO MI
GREG N BEVIN	68011657	IA	01/19/2001	7	05/31/1923	77	Ralph Shyner	M	59NW	053801	NECK LACERATION
DARRELL JOHNSON	13928084	IA	01/01/2001	25	11/30/1983	17	Ralph Shyner	F	7050	711301	SURGERY
	70	IA	01/15/2001	11	01/01/1941	35	Ralph Shyner	M	BURN	059801	2ND DEGREE BURNS 20%
					01/19/1961	39	Ralph Shyner	E	BURN	039901	SECOND DEGREE BURN
					02/05/1967	33	Ralph Shyner	P	BURN	039701	BURNS
					01/30/1984	15	Ralph Shyner	P	BURN	039401	BURNS TO BOTH LEGS
					01/28/1947	53	Ralph Shyner	P	BURN	039201	BURNS TO FACE, CHEST
Outpatient Count: 2 Emergency Room Patient Count: 0											

Results

- Encounter Information
- View Orders
- Demographics
- Consent Form
- Medical History
- Cancel

All Results

- Laboratory Results
- Radiology Results
- Transcribed Reports
- Cumulative Lab Results

612
614
616

FIG. 7

Screen Shots Of An Enterprise Web Page For Lab Results

702

[Home](#)
[Census](#)
[Function](#)
[Calendar](#)
[Help](#)
[Log Off](#)

706

MID CITY

Darrell Johnson

*** LABORATORY FINAL ***

ROOM: 0390

CARE AREA: 7050

ACCN. #: 11341579

COL CT/TX: 01/01/2001 05:37 A.M.

STATUS: F

HOS ORD#: 00005

XXIT DATE: 01/01/2001 06:57 A.M.

PATIENT ID.: 0000139280804 IA

PHYS.: Ralph Shyner

TEST (RES CODE)	RESULT	RANGE	UNITS	STATUS
-----------------	--------	-------	-------	--------

CBC/PLATELET COUNT

710	WBC (WHITE BLOOD CELLS)	20.0	H 4.0-11.0	X1000/uL	FINAL	
	RBC (black BLOOD CELLS)	6.03	H 4.5-6.0	MIL/uL		
	HEMOGLOBIN	18.1	H 13.0-17.5	G/dL		
	HEMATOCRIT	50.7	39.0-52.0	%		
	MCV (MEAN CORPUS. VOL.)	84	78-98	L		
	MCH	30.0	25.0-35.0	G/dL		
	MCHC	35.7	31.0-37.0	pG		
	PLATELET COUNT	348	140-450	X1000/uL		
	RDU (RBC DIST. USDTH)	12.3	11.5-14.5	%		
	REACTIVE LYMPHS	0	0-4	%		
	BASO	0	0-2	%		
	EOS	1	0-7	%		
	710	BANDS	9	H 0-5		%
		SEGS	83	H 45-75		%
LYMPHS		2	L 20-50	%		
MOMOS		5	0-9	%		
BASO, ABSOLUTE	0	0-200	/uL	710		
EOS, ABSOLUTE	200	0-450	/uL			
SEGS, ABSOLUTE	16600	H 1800-7700	/uL			
LYMPHS, ABSOLUTE	400	L 1000-5000	/uL			
NOMOS, ABSOLUTE	1000	H 0-800	/uL			

CHEM 07

710	GLUCOSE	176	H 70-110	mG/dL	FINAL
	BUN	22	H 7-18	mG/dL	
	CREATININE	0.7	0.2-1.3	πG/dL	
710	SODIUM	134	L 135-145	mEQ/L	
	POTASSIUM	5.3	H 3.5-5.2	mEQ/L	
	CHLORIDE	101	98-109	πEQ/L	
	CO2	25	19-29	πEQ/L	
ELECTROLYTE BALANCE		8	3-17		

FIG. 8

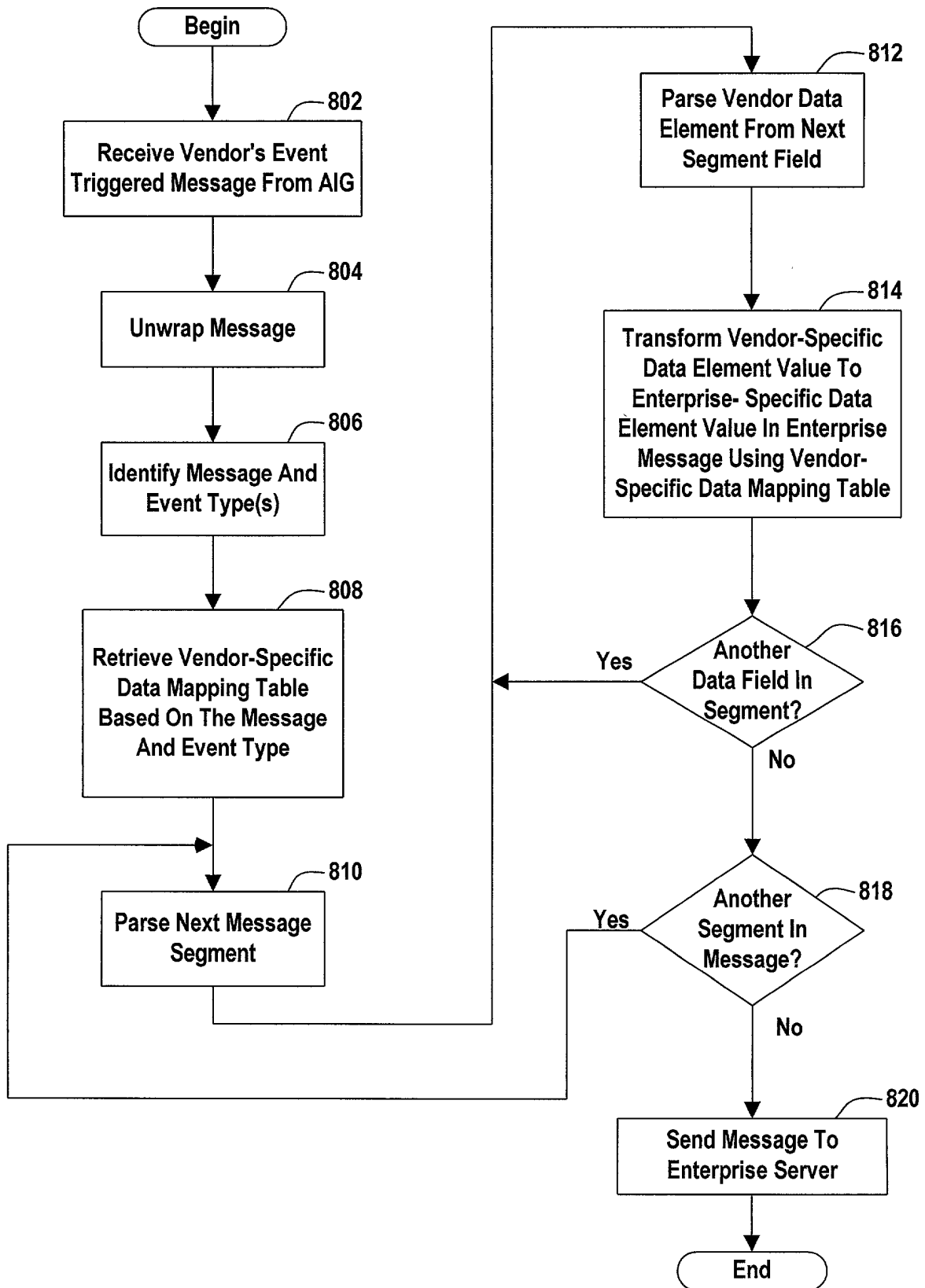


FIG. 9A

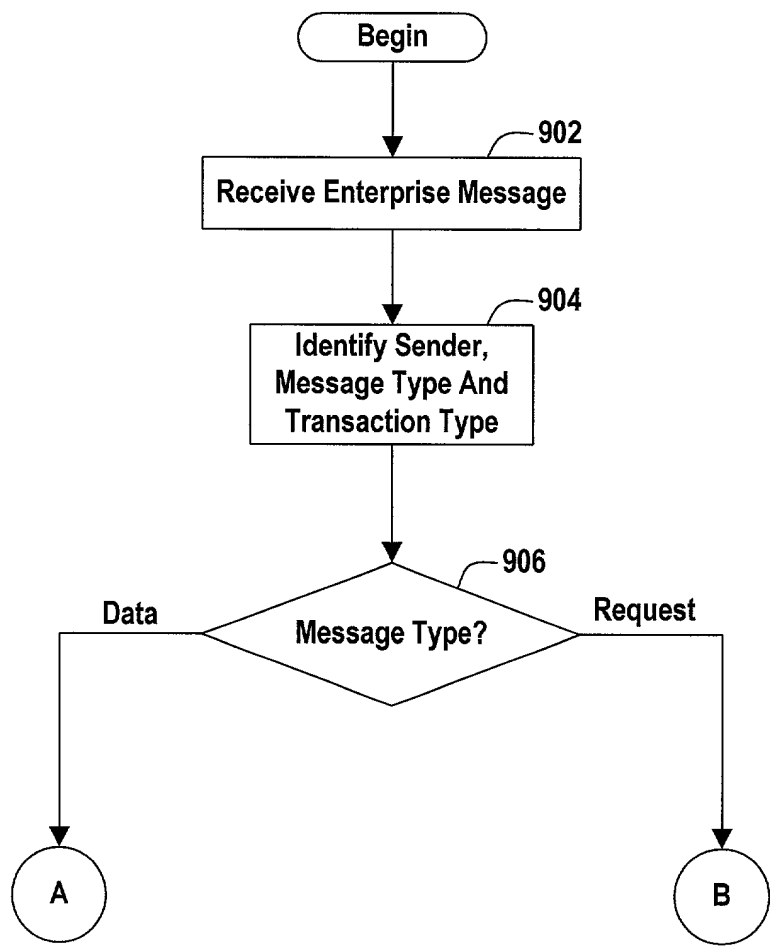


FIG. 9B

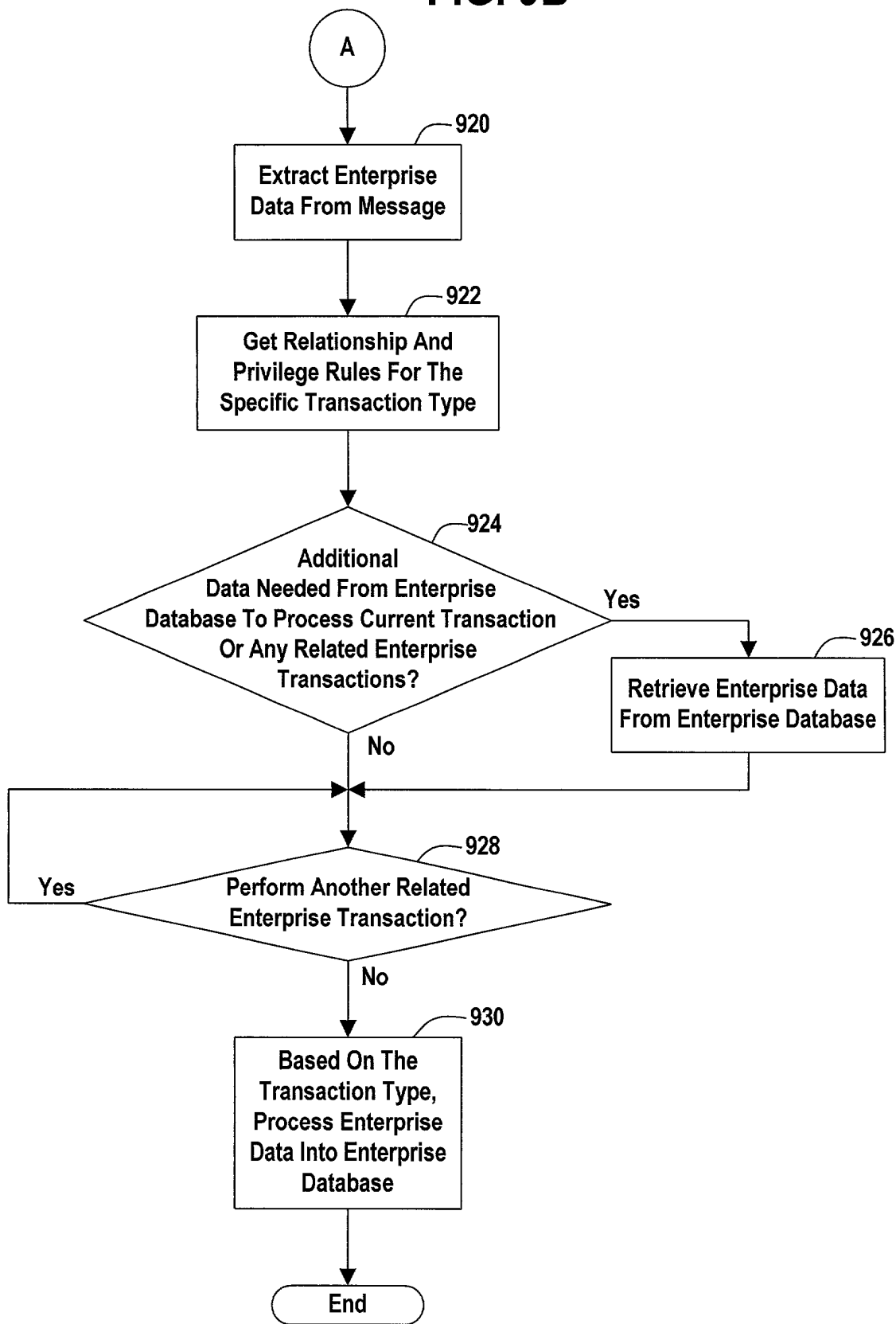


FIG. 9C

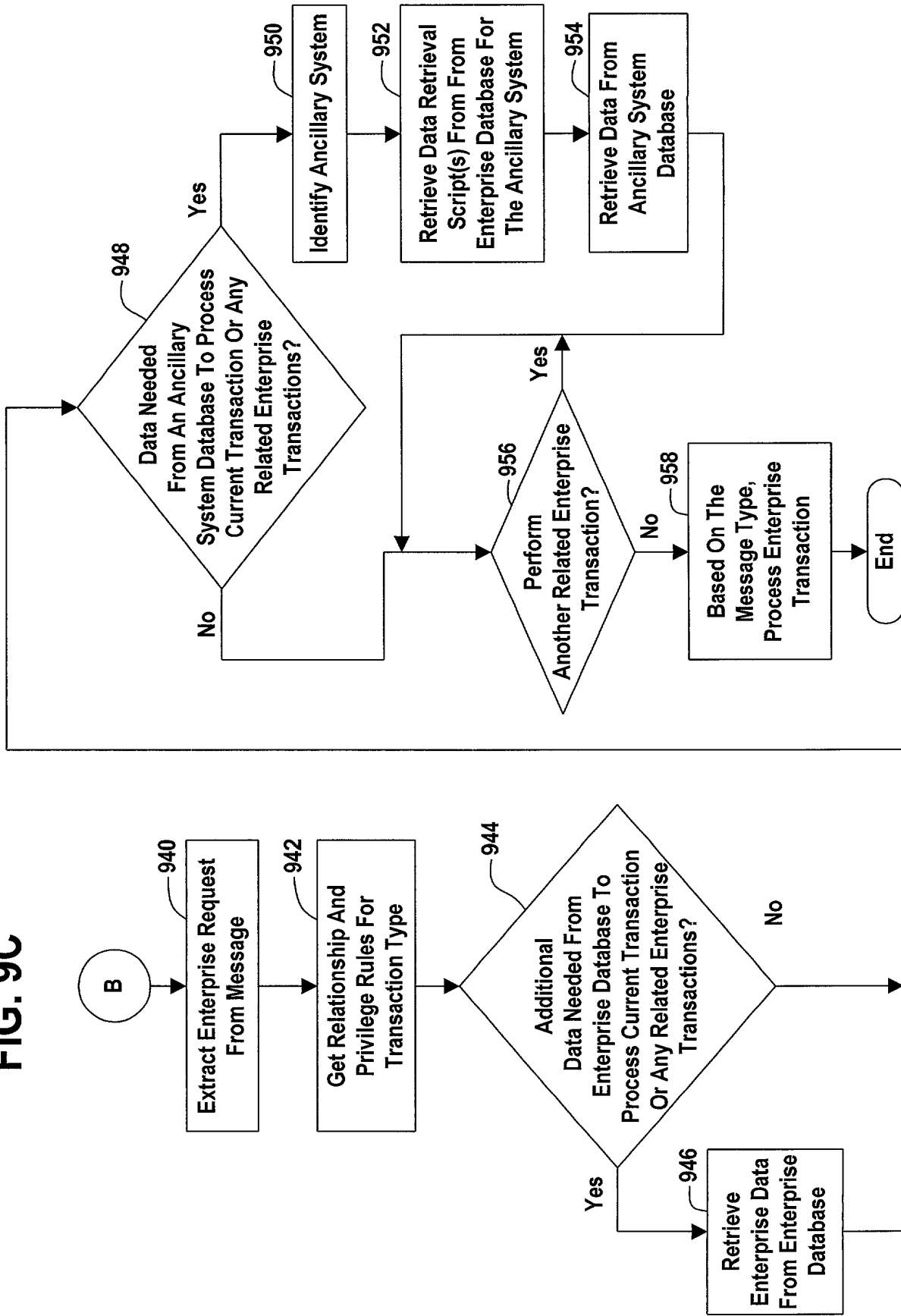


FIG. 10

**Privilege Check as a Related
Enterprise Transaction
(Blocks 928/956)**

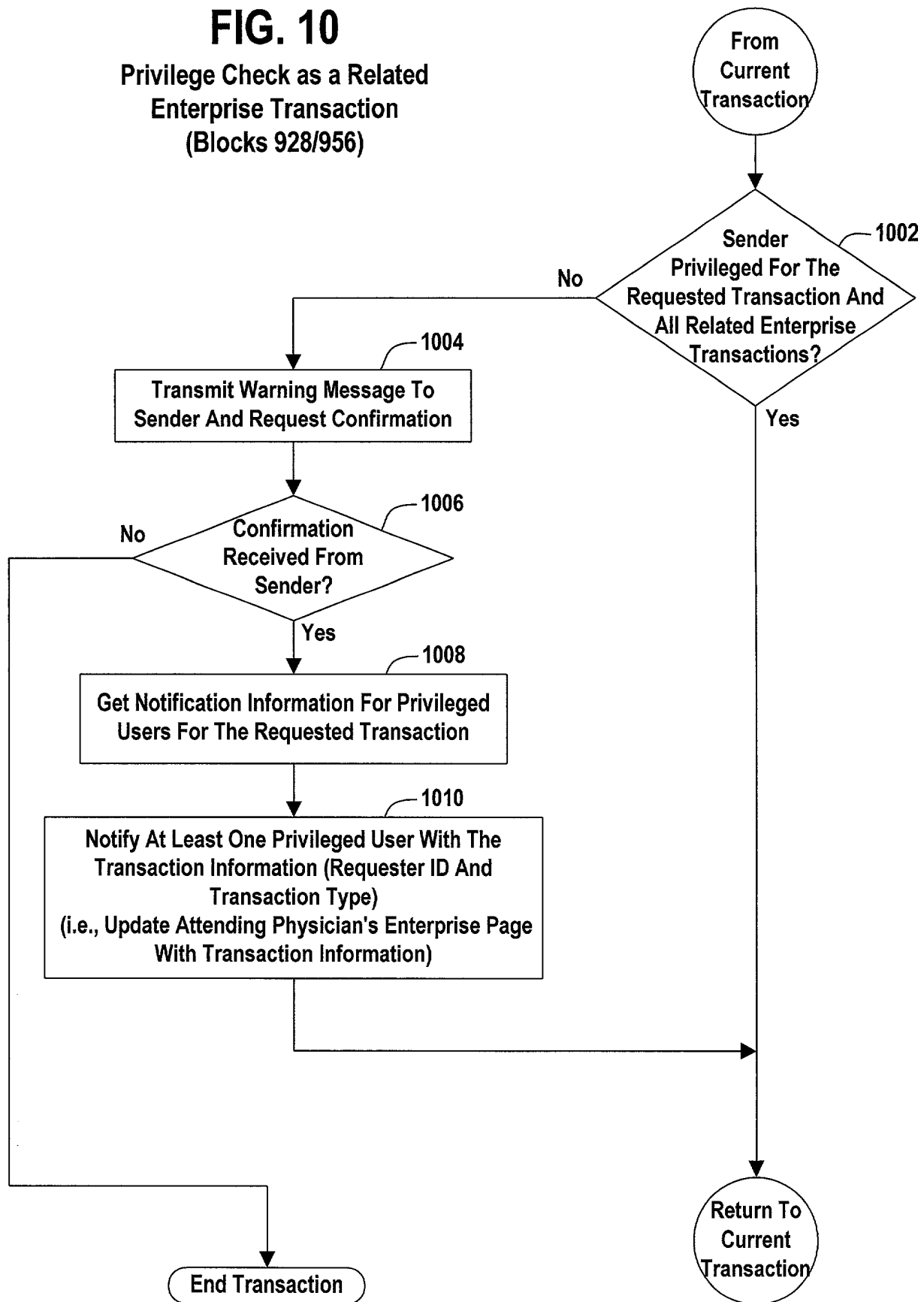


FIG. 11

Performing an Enterprise Transaction

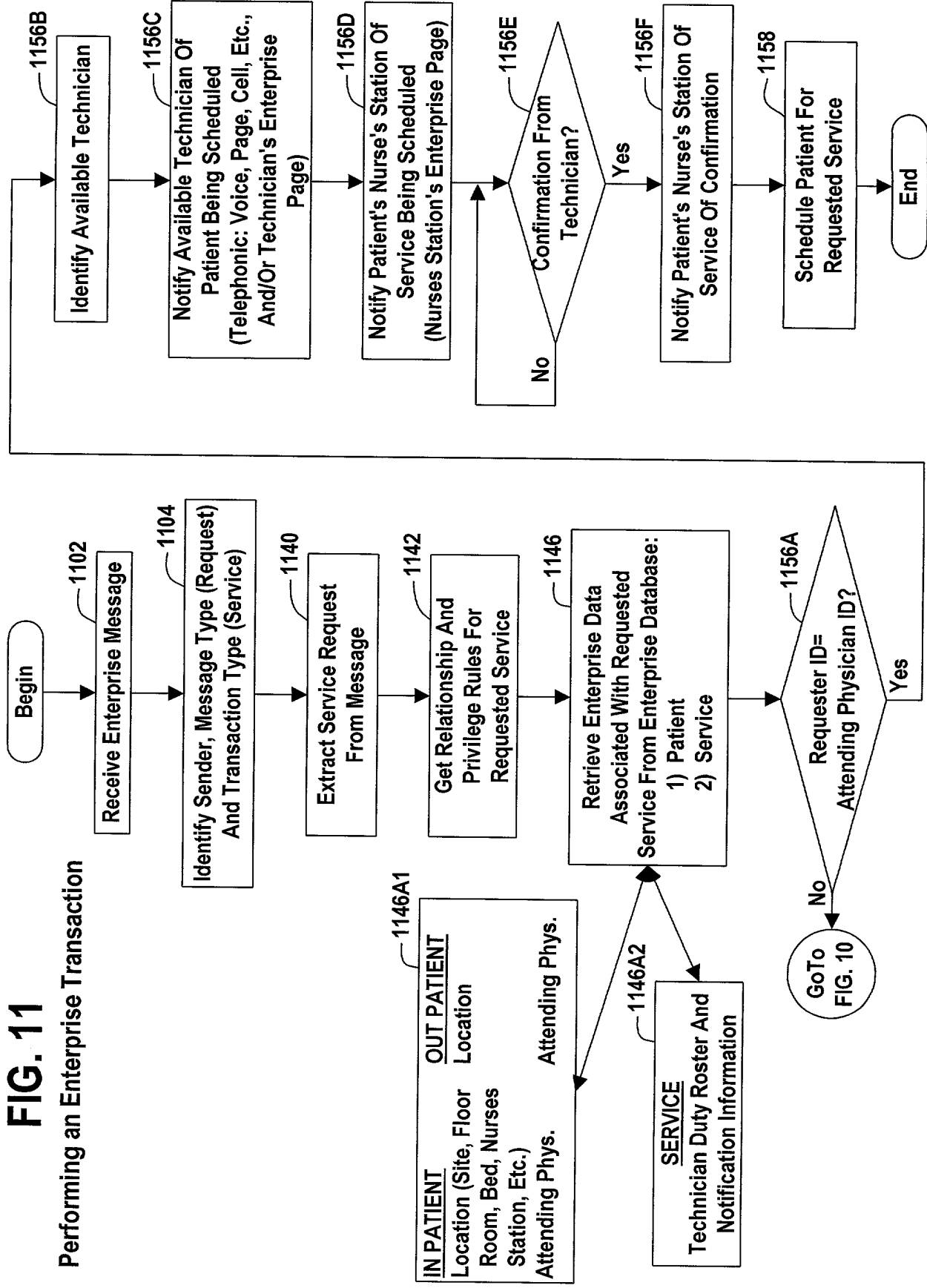


FIG. 12

Manually Generating a Message Request for Restoration Data From Disparate, Ancillary System Databases

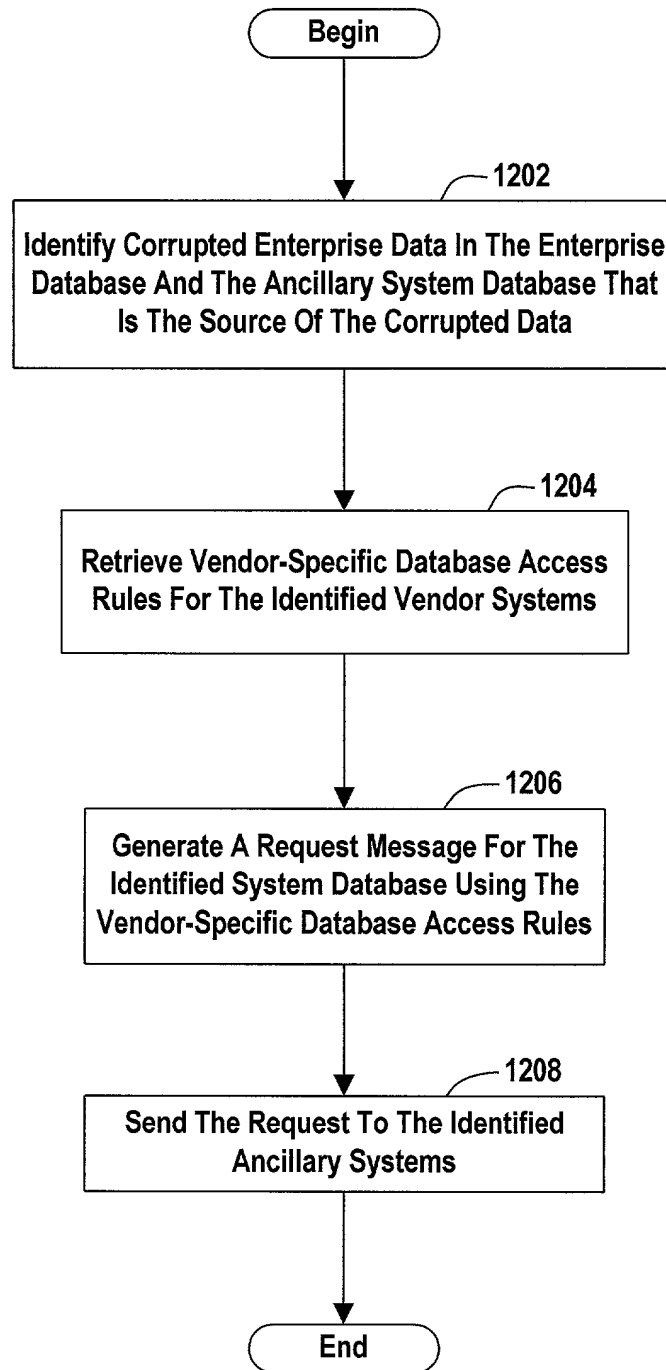


FIG. 13

Restoring Enterprise Data From Disparate, Ancillary System Databases

